

Note – This document contains only the regulations describing critical habitat for the

Upper Columbia River Spring Chinook ESU

as published in the *Federal Register* on Sept. 2, 2005 (70FR52630 - 52858). These pages have been extracted from the FR notice to assist those readers interested only in the maps and regulatory text pertaining to this ESU. The complete FR notice can be downloaded at:

<http://www.nwr.noaa.gov/Publications/FR-Notices/2005/Index.cfm>.

List of Subjects in 50 CFR Part 226

Endangered and threatened species.

Dated: August 12, 2005.

William T. Hogarth,

Assistant Administrator for Fisheries,

National Marine Fisheries Service.

_ For the reasons set out in the preamble, we amend part 226, title 50 of the Code of Federal Regulations as set forth below:

PART 226—[AMENDED]

_ 1. The authority citation of part 226 continues to read as follows:

Authority: 16 U.S.C. 1533.

_ 2. Add § 226.212 to read as follows:

Critical habitat for 12

Evolutionarily Significant Units (ESUs) of salmon and steelhead (*Oncorhynchus* spp.) in Washington, Oregon and Idaho.

Critical habitat is designated in the following states and counties for the following ESUs as described in paragraph (a) of this section, and as further described in paragraphs (b) through (g) of this section. The textual descriptions of critical habitat for each ESU are included in paragraphs (i) through (t) of this section, and these descriptions are the definitive source for determining the critical habitat boundaries. General location maps are provided at the end of each ESU description (paragraphs (i) through (t) of this section) and are provided for general guidance purposes only, and not as a definitive source for determining critical habitat boundaries.

(a) Critical habitat is designated for the following ESUs in the following states and counties:

ESU	State—Counties
(1) Puget Sound chinook salmon	WA—Clallam, Jefferson, King, Mason, Pierce, Skagit, Snohomish, Thurston, and Whatcom.
(2) Lower Columbia River chinook salmon	(i) OR—Clackamas, Clatsop, Columbia, Hood River, and Multnomah. (ii) WA—Clark, Cowlitz, Klickitat, Lewis, Pacific, Skamania, and Wahkiakum.
(3) Upper Willamette River chinook salmon	(i) OR—Benton, Clackamas, Clatsop, Columbia, Lane, Linn, Marion, Multnomah, Polk, and Yamhill. (ii) WA—Clark, Cowlitz, Pacific, and Wahkiakum.
(4) Upper Columbia River spring-run chinook salmon	(i) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Sherman, Umatilla, and Wasco. (ii) WA—Benton, Chelan, Clark, Cowlitz, Douglas, Franklin, Grant, Kittitas, Klickitat, Okanogan, Pacific, Skamania, Wahkiakum, Walla Walla, and Yakima.
(5) Hood Canal summer-run chum salmon	WA—Clallam, Jefferson, Kitsap, and Mason.
(6) Columbia River chum salmon	(i) OR—Clatsop, Columbia, Hood River, and Multnomah.

- (7) Ozette Lake sockeye salmon WA—Clallam.
- (8) Upper Columbia River steelhead (i) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Umatilla, and Wasco.
(ii) WA—Adams, Benton, Chelan, Clark, Cowlitz, Douglas, Franklin, Grant, Kittitas, Klickitat, Okanogan, Pacific, Skamania, Wahkiakum, Walla Walla, and Yakima.
- (9) Snake River Basin steelhead (i) ID—Adams, Blaine, Clearwater, Custer, Idaho, Latah, Lemhi, Lewis, Nez Perce, and Valley.
(ii) OR—Clatsop, Columbia, Gilliam, Hood River, Morrow, Multnomah, Sherman, Umatilla, Union, Wallowa, and Wasco.
(iii) WA—Asotin, Benton, Clark, Columbia, Cowlitz, Franklin, Garfield, Klickitat, Pacific, Skamania, Walla Walla, Wahkiakum, and Whitman.
- (10) Middle Columbia River steelhead (i) OR—Clatsop, Columbia, Crook, Gilliam, Grant, Hood River, Jefferson, Morrow, Multnomah, Sherman, Umatilla, Union, Wallowa, Wasco, and Wheeler.
(ii) WA—Benton, Clark, Cowlitz, Columbia, Franklin, King, Kittitas, Klickitat, Lewis, Pacific, Pierce, Skamania, Wahkiakum, Walla Walla, and Yakima.
- (11) Lower Columbia River steelhead (i) OR—Clackamas, Clatsop, Columbia, Hood River, Marion, and Multnomah.
(ii) WA—Clark, Cowlitz, Klickitat, Lewis, Pacific, Skamania, and Wahkiakum.
- (12) Upper Willamette River steelhead (i) OR—Benton, Clackamas, Clatsop, Columbia, Linn, Marion, Multnomah, Polk, Tillamook, Washington, and Yamhill.
(ii) WA—Clark, Cowlitz, Pacific, and Wahkiakum.

(b) *Critical habitat boundaries.*

Critical habitat includes the stream channels within the designated stream reaches, and includes a lateral extent as defined by the ordinary high-water line (33 CFR 319.11). In areas where ordinary high-water line has not been defined, the lateral extent will be defined by the bankfull elevation. Bankfull elevation is the level at which water begins to leave the channel and move into the floodplain and is reached at a discharge which generally has a recurrence interval of 1 to 2 years on the annual flood series. Critical habitat in lake areas is defined by the perimeter of the water body as displayed on standard 1:24,000 scale topographic maps or the elevation of ordinary high water, whichever is greater. In estuarine and nearshore marine areas critical habitat includes areas contiguous with the shoreline from the line of extreme high water out to a depth no greater than 30 meters relative to mean lower low water.

(c) *Primary constituent elements.*

Within these areas, the primary constituent elements essential for the conservation of these ESUs are those sites and habitat components that support one or more life stages, including:

- (1) Freshwater spawning sites with water quantity and quality conditions and substrate supporting spawning, incubation and larval development;
(2) Freshwater rearing sites with:
(i) Water quantity and floodplain connectivity to form and maintain physical habitat conditions and support

juvenile growth and mobility;

- (ii) Water quality and forage supporting juvenile development; and
(iii) Natural cover such as shade, submerged and overhanging large wood, log jams and beaver dams, aquatic vegetation, large rocks and boulders, side channels, and undercut banks.
(3) Freshwater migration corridors free of obstruction and excessive predation with water quantity and quality conditions and natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels, and undercut banks supporting juvenile and adult mobility and survival;
(4) Estuarine areas free of obstruction and excessive predation with:
(i) Water quality, water quantity, and salinity conditions supporting juvenile and adult physiological transitions between fresh- and saltwater;
(ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders, side channels; and
(iii) Juvenile and adult forage, including aquatic invertebrates and fishes, supporting growth and maturation.
(5) Nearshore marine areas free of obstruction and excessive predation with:
(i) Water quality and quantity conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation; and
(ii) Natural cover such as submerged and overhanging large wood, aquatic vegetation, large rocks and boulders,

and side channels.

(6) Offshore marine areas with water quality conditions and forage, including aquatic invertebrates and fishes, supporting growth and maturation.

(d) *Exclusion of Indian lands.* Critical habitat does not include habitat areas on Indian lands. The Indian lands specifically excluded from critical habitat are those defined in the Secretarial Order, including:

(1) Lands held in trust by the United States for the benefit of any Indian tribe;

(2) Land held in trust by the United States for any Indian Tribe or individual subject to restrictions by the United States against alienation;

(3) Fee lands, either within or outside the reservation boundaries, owned by the tribal government; and

(4) Fee lands within the reservation boundaries owned by individual Indians.

(e) *Land owned or controlled by the Department of Defense.* Critical habitat does not include any areas subject to an approved Integrated Natural Resource Management Plan or associated with Department of Defense easements or right-of-ways. In areas within Navy security zones identified at 33 CFR 334 that are outside the areas described above, critical habitat is only designated within a narrow nearshore zone from the line of extreme high tide down to the line of mean lower low water. The specific sites addressed include:

(1) Naval Submarine Base, Bangor;

(2) Naval Undersea Warfare Center, Keyport;

(3) Naval Ordnance Center, Port Hadlock (Indian Island);

(4) Naval Radio Station, Jim Creek;

(5) Naval Fuel Depot, Manchester;

(6) Naval Air Station Whidbey Island;

(7) Naval Air Station, Everett;

(8) Bremerton Naval Hospital;

(9) Fort Lewis (Army);

(10) Pier 23 (Army);

(11) Yakima Training Center (Army);

(12) Puget Sound Naval Shipyard;

(13) Naval Submarine Base Bangor security zone;

(14) Strait of Juan de Fuca naval air-to-surface weapon range, restricted area;

(15) Hood Canal and Dabob Bay naval non-explosive torpedo testing area;

(16) Strait of Juan de Fuca and Whidbey Island naval restricted areas;

(17) Admiralty Inlet naval restricted area;

(18) Port Gardner Naval Base restricted area;

(19) Hood Canal naval restricted areas;

(20) Port Orchard Passage naval

restricted area;

(21) Sinclair Inlet naval restricted areas;

(22) Carr Inlet naval restricted areas;

(23) Dabob Bay/Whitney Point naval restricted area; and

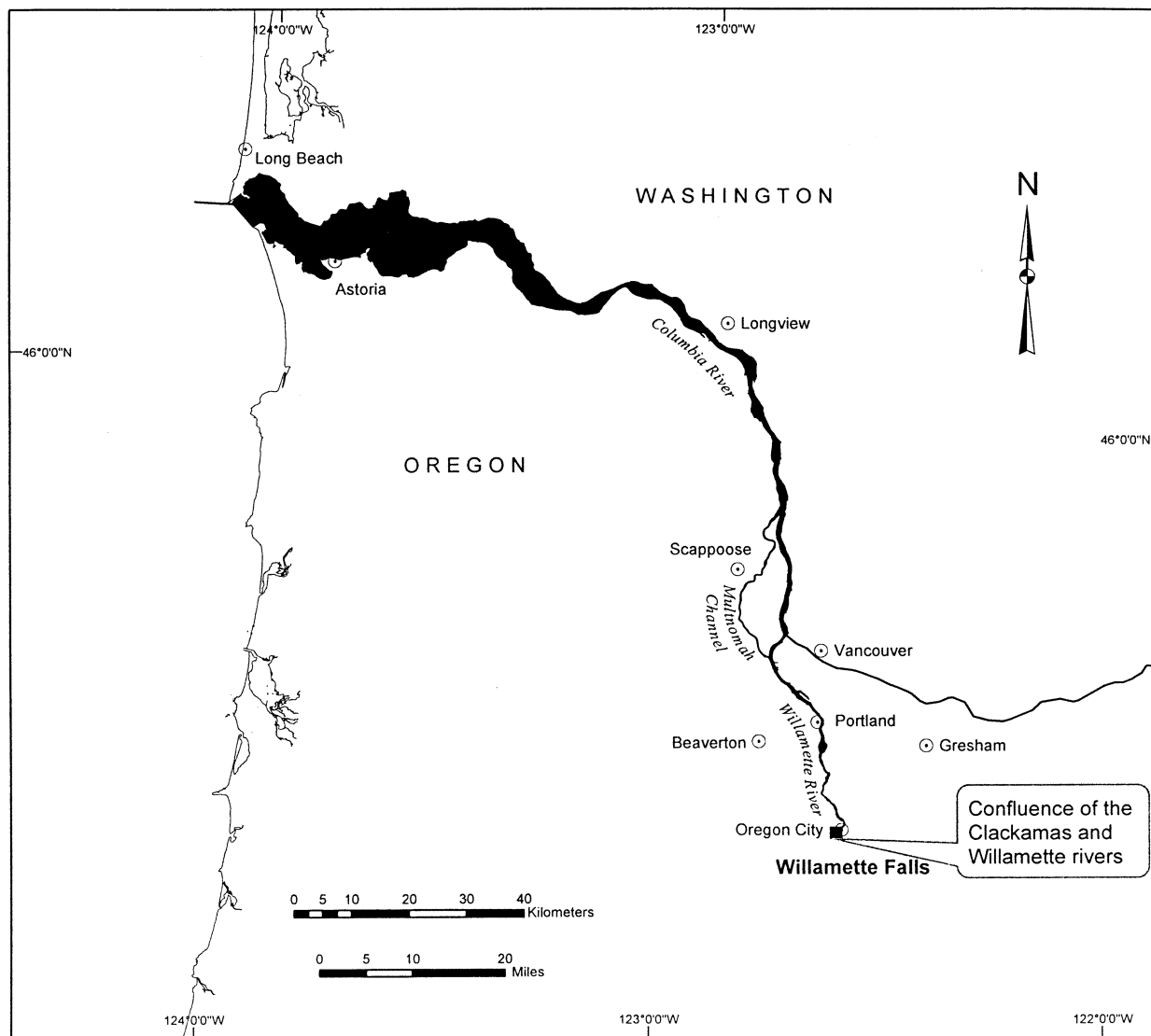
(24) Port Townsend/Indian Island/Walan Point naval restricted area.

(f) *Land subject to the Washington Department of Natural Resources Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the Washington Department of Natural Resources.

(g) *Land subject to the Green Diamond Company Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the Green Diamond Resources Company (formerly Simpson Timber Company).

(h) *Land subject to the West Fork Timber Company Habitat Conservation Plan.* Critical habitat is excluded on lands covered by the incidental take permit issued by NMFS under section 10(a)(1)(B) of the ESA to the West Fork Timber Company (formerly Murray Pacific Corporation).

Rearing / Migration Corridor for the Upper Willamette River Chinook Salmon ESU



Legend

- Cities / Towns
- State Boundary
- Rearing / Migration Corridor

Upper Willamette River Chinook ESU

Lower Willamette / Columbia River Corridor

The lower Willamette / Columbia River corridor is that segment from the mouth of the Columbia River at the Pacific Ocean upstream to the confluence of the Clackamas and Willamette rivers, including the Multnomah Channel portion of the lower Willamette River.

include the areas defined in the following subbasins:

(1) Chief Joseph Subbasin 17020005—*Upper Columbia/Swamp Creek Watershed 1702000505*. Outlet(s) = Columbia River (Lat 47.8077, Long -119.9754) upstream to endpoint(s) in: Columbia River (48.0502, -119.8942).

(2) Methow Subbasin 17020008—(i) *Lost River Watershed 1702000801*. Outlet(s) = Lost River Gorge (Lat 48.6501, Long -120.5103) upstream to endpoint(s) in: Eureka Creek (48.7020, -120.4986); Lost River Gorge (48.7324, -120.4475).

(ii) *Upper Methow River Watershed 1702000802*. Outlet(s) = Methow River (Lat 48.6015, Long -120.4376) upstream to endpoint(s) in: Early Winters Creek (48.5999, -120.5840); Methow River (48.6417, -120.6150); Rattlesnake Creek (48.6523, -120.5733); Robinson Creek (48.6680, -120.5394); South Fork Trout Creek (48.6448, -120.6030).

(iii) *Upper Chewuch River Watershed 1702000803*. Outlet(s) = Chewuch River (Lat 48.7501, Long -120.1356) upstream to endpoint(s) in: Andrews Creek (48.7855, -120.1087); Chewuch River (48.8614, -120.0288); Dog Creek (48.8218, -120.0151); Lake Creek (48.8258, -120.1996); Thirtymile Creek (48.8109, -120.0199).

(iv) *Lower Chewuch River Watershed 1702000804*. Outlet(s) = Chewuch River (Lat 48.4751, Lat -120.1790) upstream to endpoint(s) in: Boulder Creek (48.5797, -120.1538); Chewuch River (48.7501, -120.1356); Cub Creek (48.5513, -120.1899); Eightmile Creek (48.6071, -120.1775); Lake Creek (48.4926, -120.1629); Twentymile Creek (48.7029, -120.1117).

(v) *Twisp River Watershed 1702000805*. Outlet(s) = Twisp River (Lat 48.3682, Long -120.1176) upstream to endpoint(s) in: Buttermilk Creek (48.3528, -120.3239); Eagle Creek (48.3584, -120.3914); North Creek (48.4587, -120.5595); Poorman Creek (48.3674, -120.1997); South Creek (48.4330, -120.5431); Twisp River (48.4615, -120.5764); War Creek (48.3649, -120.4030).

(vi) *Middle Methow River Watershed 1702000806*. Outlet(s) = Methow River (Lat 48.2495, Long -120.1156) upstream to endpoint(s) in: Bear Creek (48.4527, -120.1423); Goat Creek (48.5888, -120.3705); Little Boulder Creek (48.5700, -120.3797); Methow River (48.6015, -120.4376); Wolf Creek (48.4776, -120.2840) Unnamed (48.4896, -120.2116).

(vii) *Lower Methow River Watershed 1702000807*. Outlet(s) = Methow River (Lat 48.0502, Long -119.8942) upstream to endpoint(s) in: Methow River (48.2495, -120.1156).

(3) Upper Columbia/Entiat Subbasin 17020010—(i) *Entiat River Watershed 1702001001*. Outlet(s) = Entiat River (Lat 47.6585, Long -120.2194) upstream to endpoint(s) in: Entiat River (47.9855, -120.5749); Hornet Creek (47.7714, -120.4403); Mad River (47.7804, -120.4403); Tillicum Creek (47.7295, -120.4304).

(ii) *Lake Entiat Watershed 1702001002*. Outlet(s) = Columbia River (Lat 47.3438, Long -120.0929) upstream to endpoint(s) in: Columbia River (47.8077, -119.9754).

(4) Wenatchee Subbasin 17020011—(i) *White River Watershed 1702001101*. Outlet(s) = White River (Lat 47.8088,

Long -120.7159) upstream to endpoint(s) in: Little Wenatchee River (47.8526, -120.9541); Napeequa River (47.9285, -120.8829); Panther Creek (47.9355, -120.9482); White River (47.9535, -120.9380).

(ii) *Chiwawa River Watershed 1702001102*. Outlet(s) = Chiwawa River (Lat 47.7880, Long -120.6589) upstream to endpoint(s) in: Alder Creek (47.8483, -120.6587); Chikamin Creek (47.9785, -120.7194); Chiwawa River (48.1048, -120.8773); Goose Creek (47.8392, -120.6461); Minnow Creek (47.9137, -120.7182); Phelps Creek (48.0794, -120.8400); Unnamed (48.0366, -120.7615).

(iii) *Nason/Tumwater Watershed 1702001103*. Outlet(s) = Wenatchee River (Lat 47.5801, Long -120.6660) upstream to endpoint(s) in: Chiwaukum Creek (47.7039, -120.7791); Nason Creek (47.7769, -120.9103); Skinney Creek (47.6894, -120.7351).

(iv) *Icicle/Chumstick Watershed 1702001104*. Outlet(s) = Wenatchee River (Lat 47.5575, Long -120.5729) upstream to endpoint(s) in: Wenatchee River (47.5801, -120.6660).

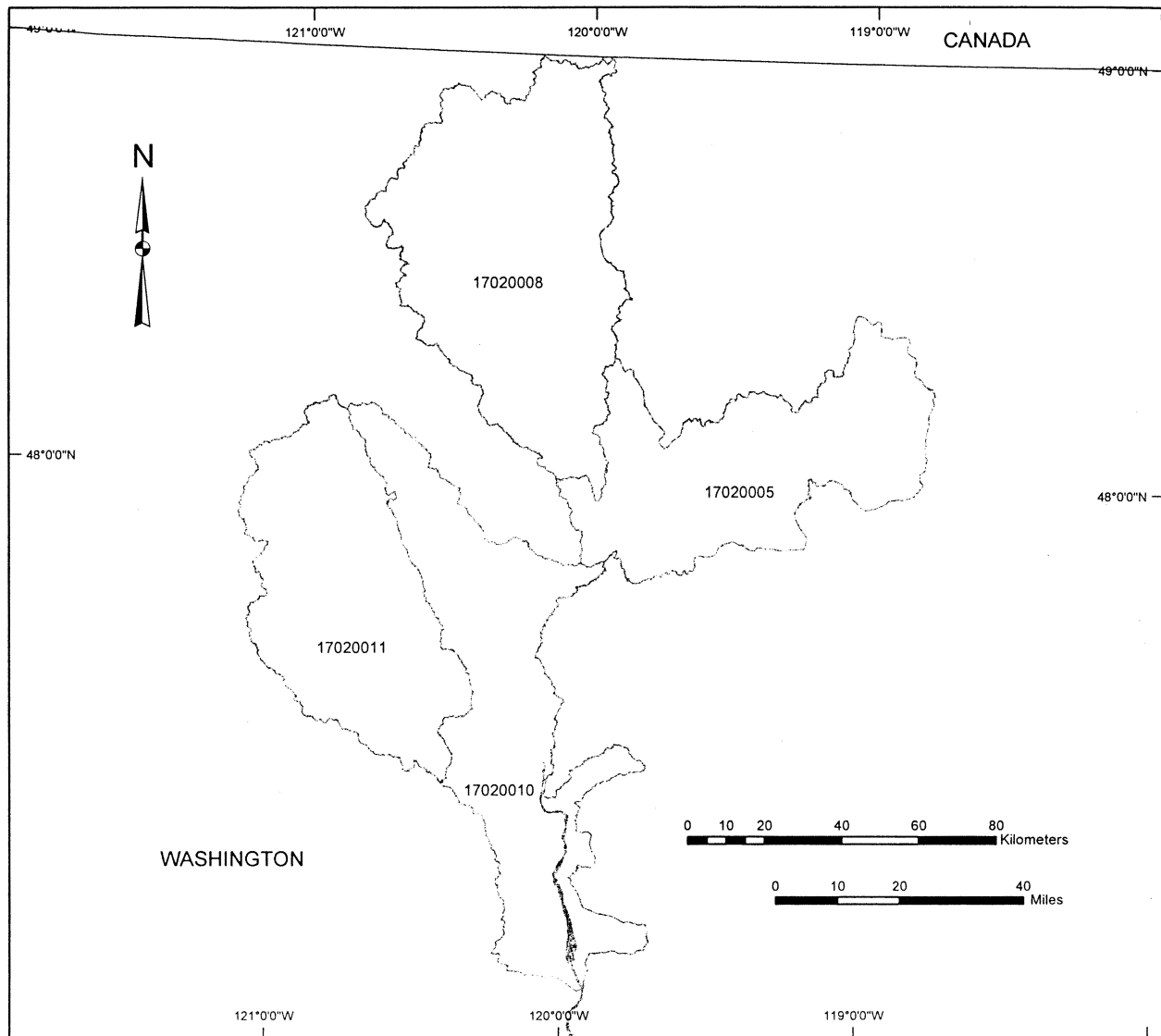
(v) *Lower Wenatchee River Watershed 1702001105*. Outlet(s) = Wenatchee River (Lat 47.4553, Long -120.3185) upstream to endpoint(s) in: Wenatchee River (47.5575, -120.5729).

(5) Columbia River Corridor—*Columbia River Corridor* Outlet(s) = Columbia River (Lat 46.2485, Long -124.0782) upstream to endpoint(s) in: Columbia River (47.3438, -120.0929).



(6) Maps of critical habitat for the Upper Columbia River Spring-run chinook salmon ESU follow:

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Map of the Upper Columbia River Spring-run Chinook Salmon ESU

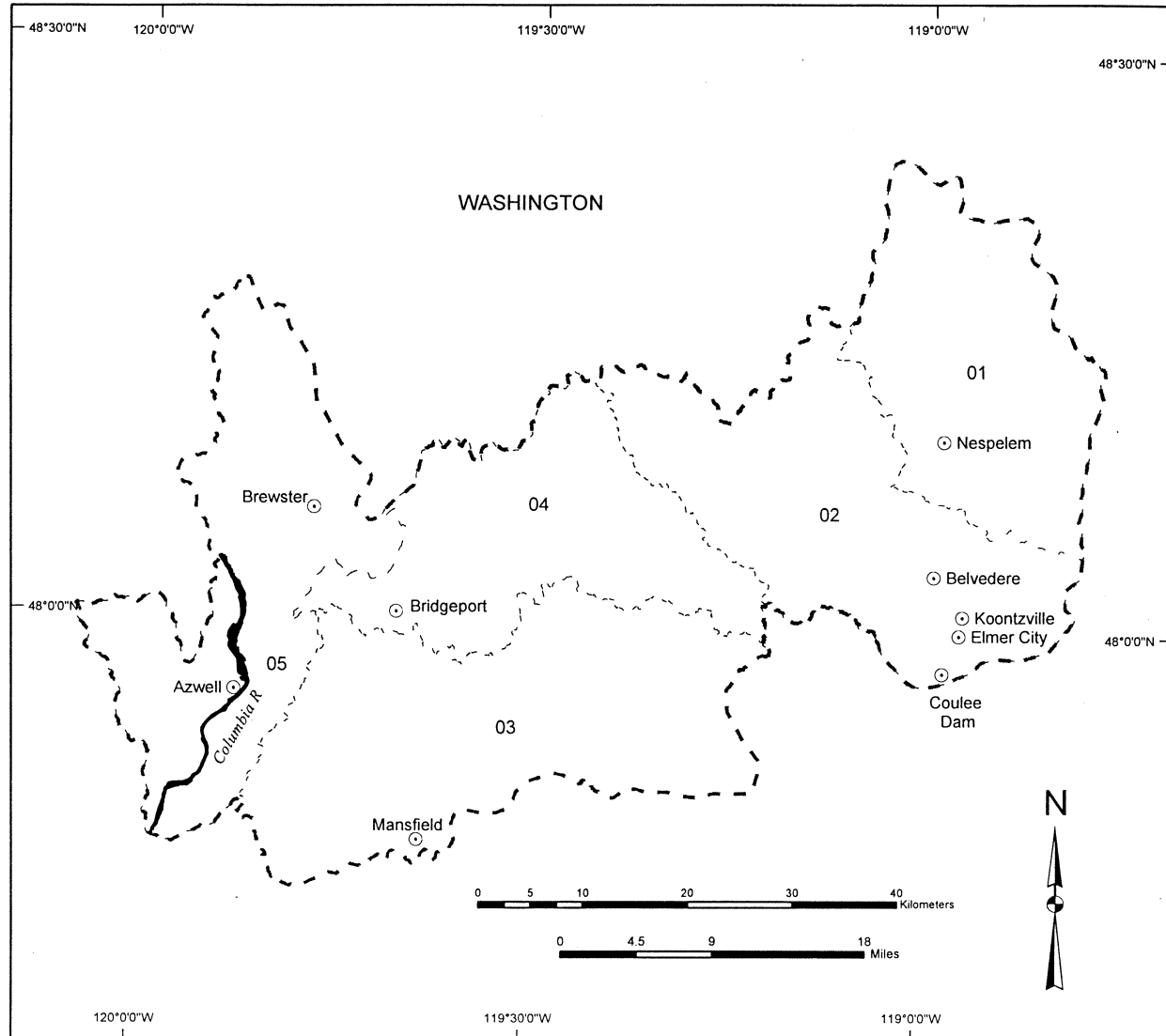


Legend

- State Boundaries
-  Water Bodies
-  Subbasin Boundaries

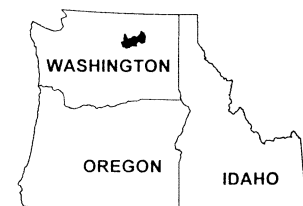
Area of Detail

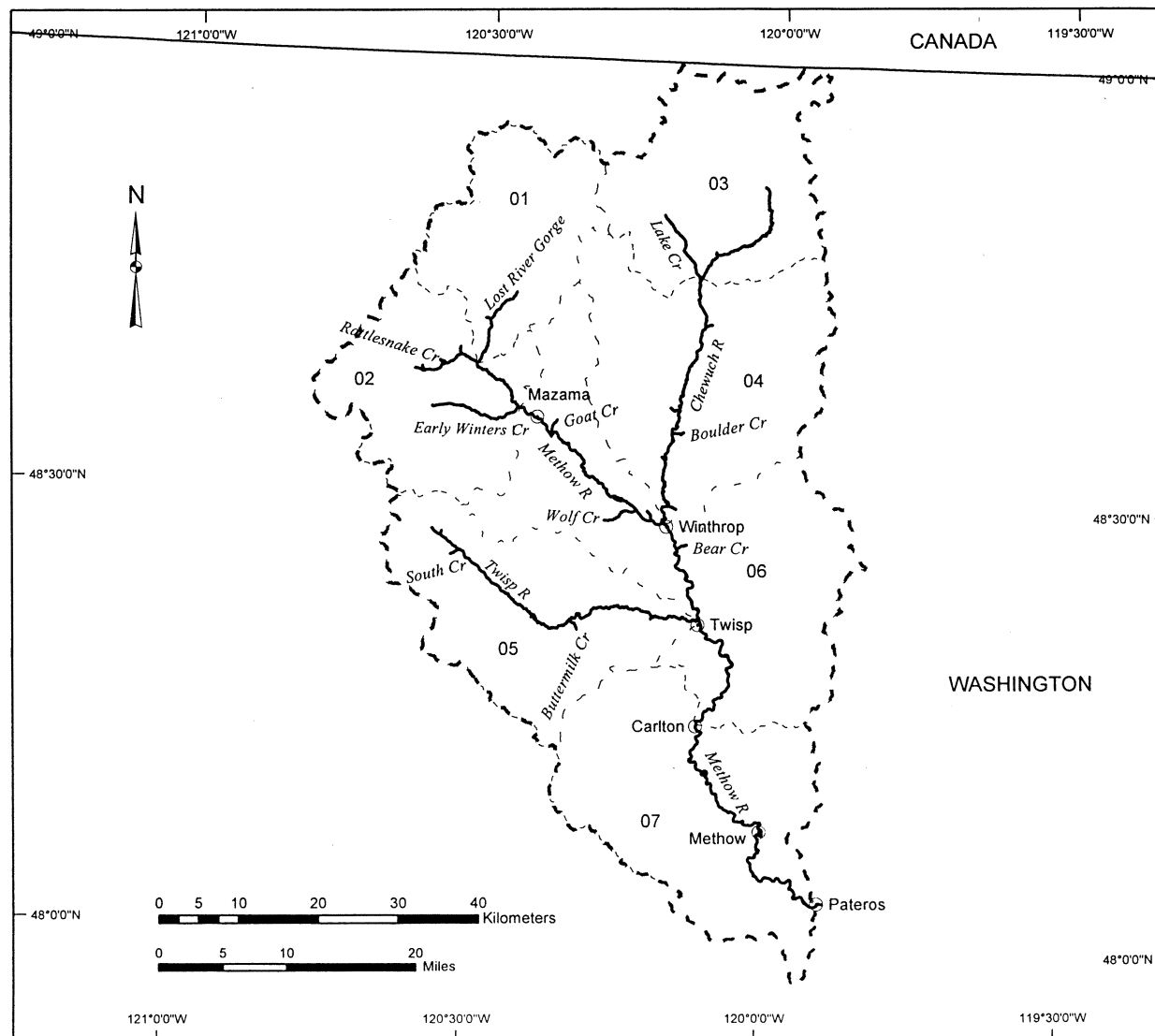


**Final Critical Habitat for the
Upper Columbia River Spring-run Chinook Salmon ESU****CHIEF JOSEPH SUBBASIN
17020005****Legend**

- ⊙ Cities / Towns
- ~~~~~ Critical Habitat
- - - Subbasin Boundary
- - - Watershed Boundaries

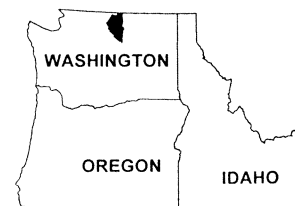
01 - 05 = Watershed code - last 2 digits of 17020005xx

Area of Detail

**Final Critical Habitat for the
Upper Columbia River Spring-run Chinook Salmon ESU****METHOW SUBBASIN
17020008****Legend**

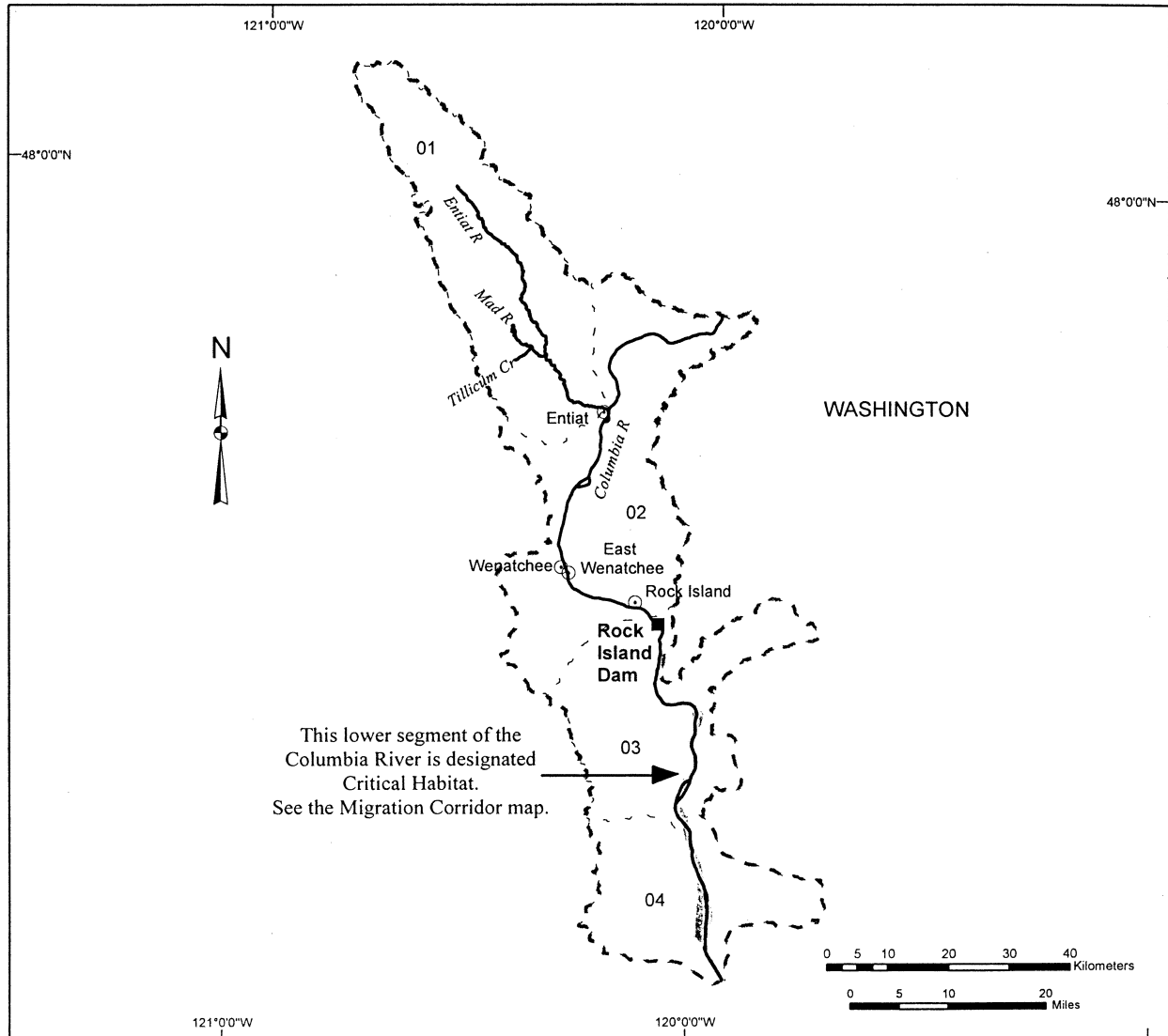
- Cities / Towns
- State Boundary
- ~ Critical Habitat
- - - Subbasin Boundary
- · · Watershed Boundaries

01 - 07 = Watershed code - last 2 digits of 17020008xx

Area of Detail

**Final Critical Habitat for the
Upper Columbia River Spring-run Chinook Salmon ESU**

**UPPER COLUMBIA / ENTIAT SUBBASIN
17020010**



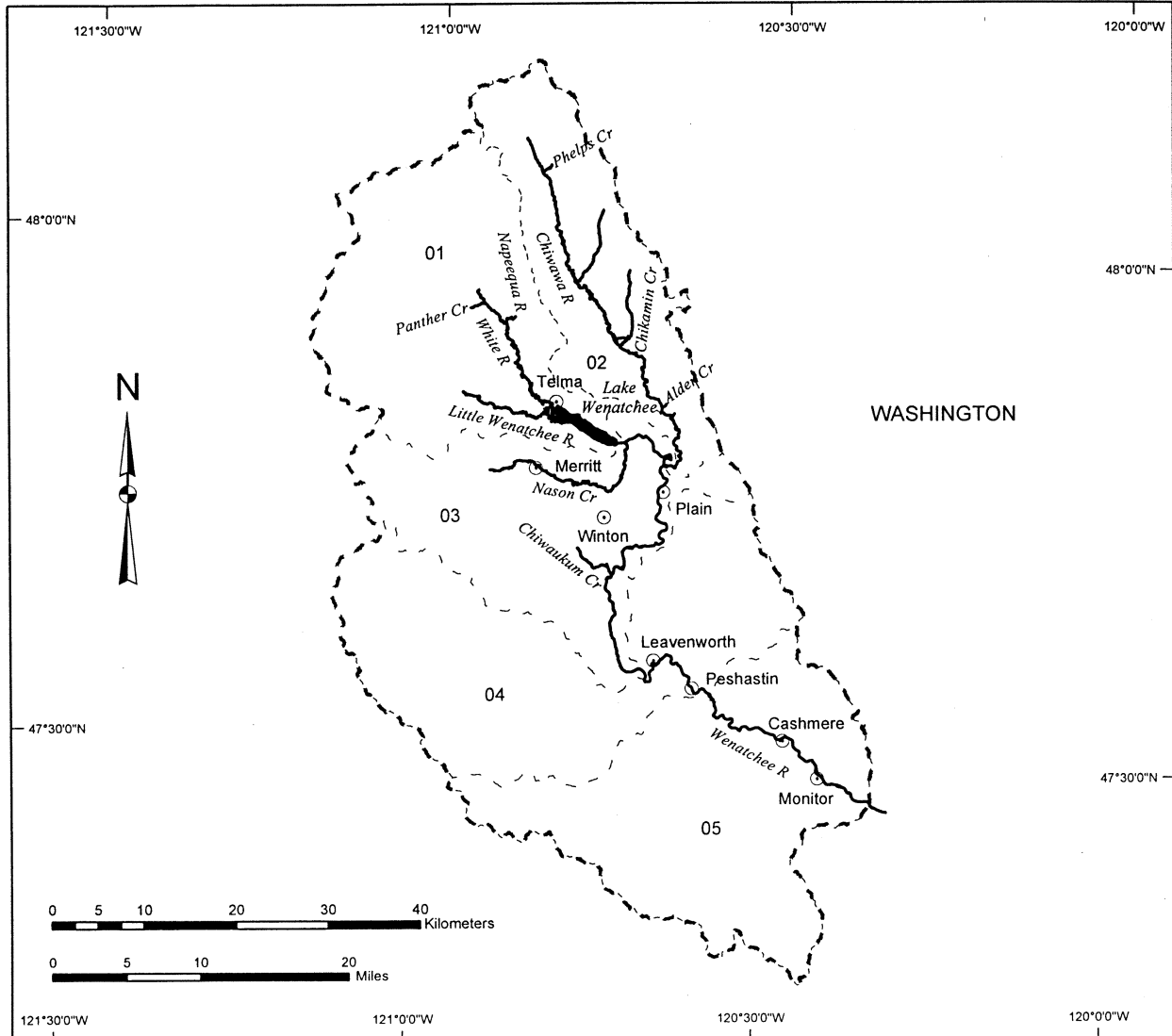
Legend

- Cities / Towns
- ~ Critical Habitat
- Water Body
- - - Subbasin Boundary
- Watershed Boundaries

01 - 04 = Watershed code - last 2 digits of 17020010xx

Area of Detail



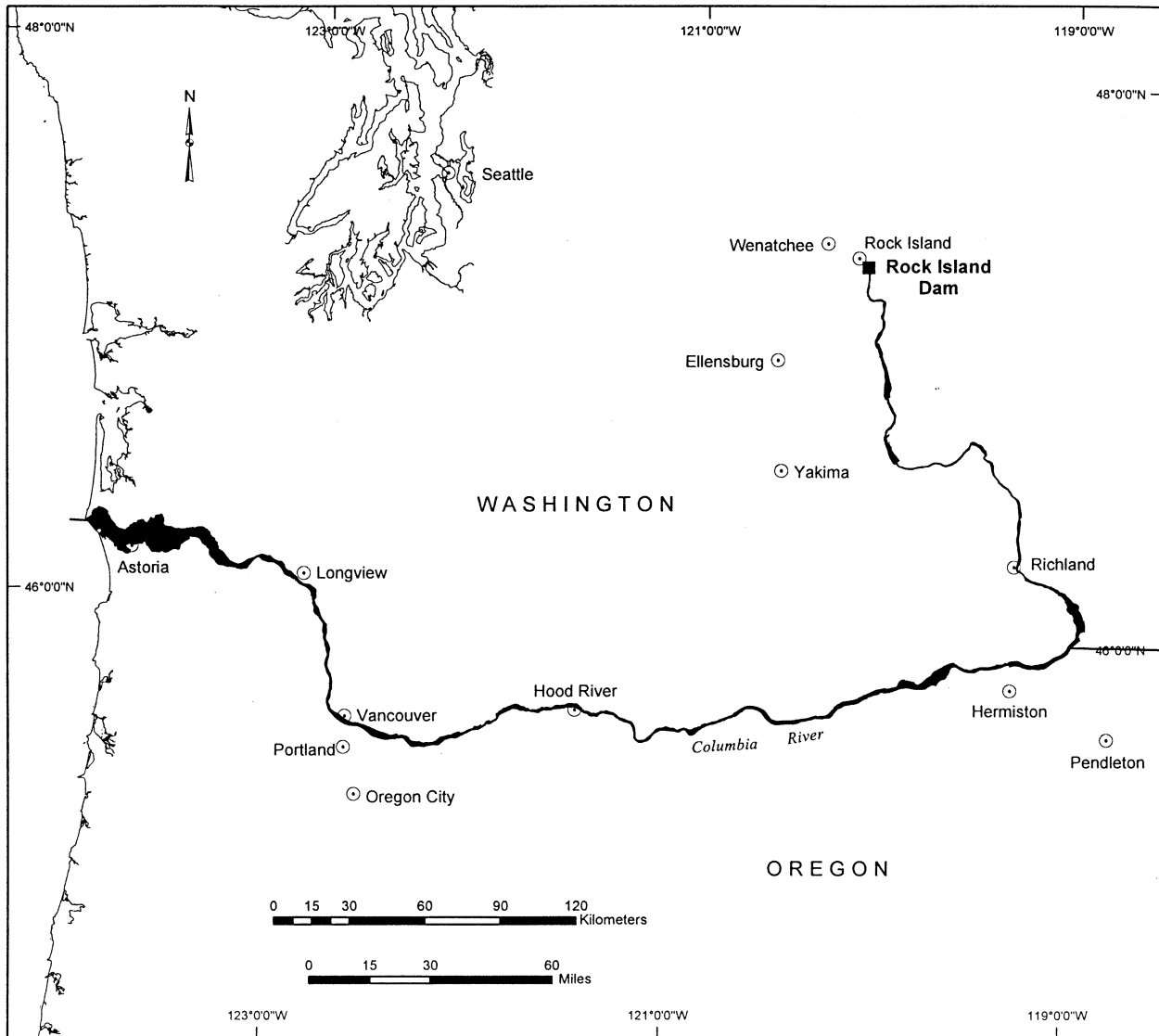
**Final Critical Habitat for the
Upper Columbia River Spring-run Chinook Salmon ESU****WENATCHEE SUBBASIN
17020011****Legend**

- Cities / Towns
- ~ Critical Habitat
- Water Bodies
- - - Subbasin Boundary
- - - Watershed Boundaries

01 - 05 = Watershed code - last 2 digits of 17020011xx

Area of Detail

Rearing / Migration Corridor for the Upper Columbia River Spring-run Chinook Salmon ESU



Legend

- Cities / Towns
- State Boundary
- Rearing / Migration Corridor

Upper Columbia River Spring Chinook ESU

Columbia River Corridor

The Columbia River Corridor is that segment from the mouth of the Columbia River at the Pacific Ocean upstream to Rock Island Dam.